

FIG. 1

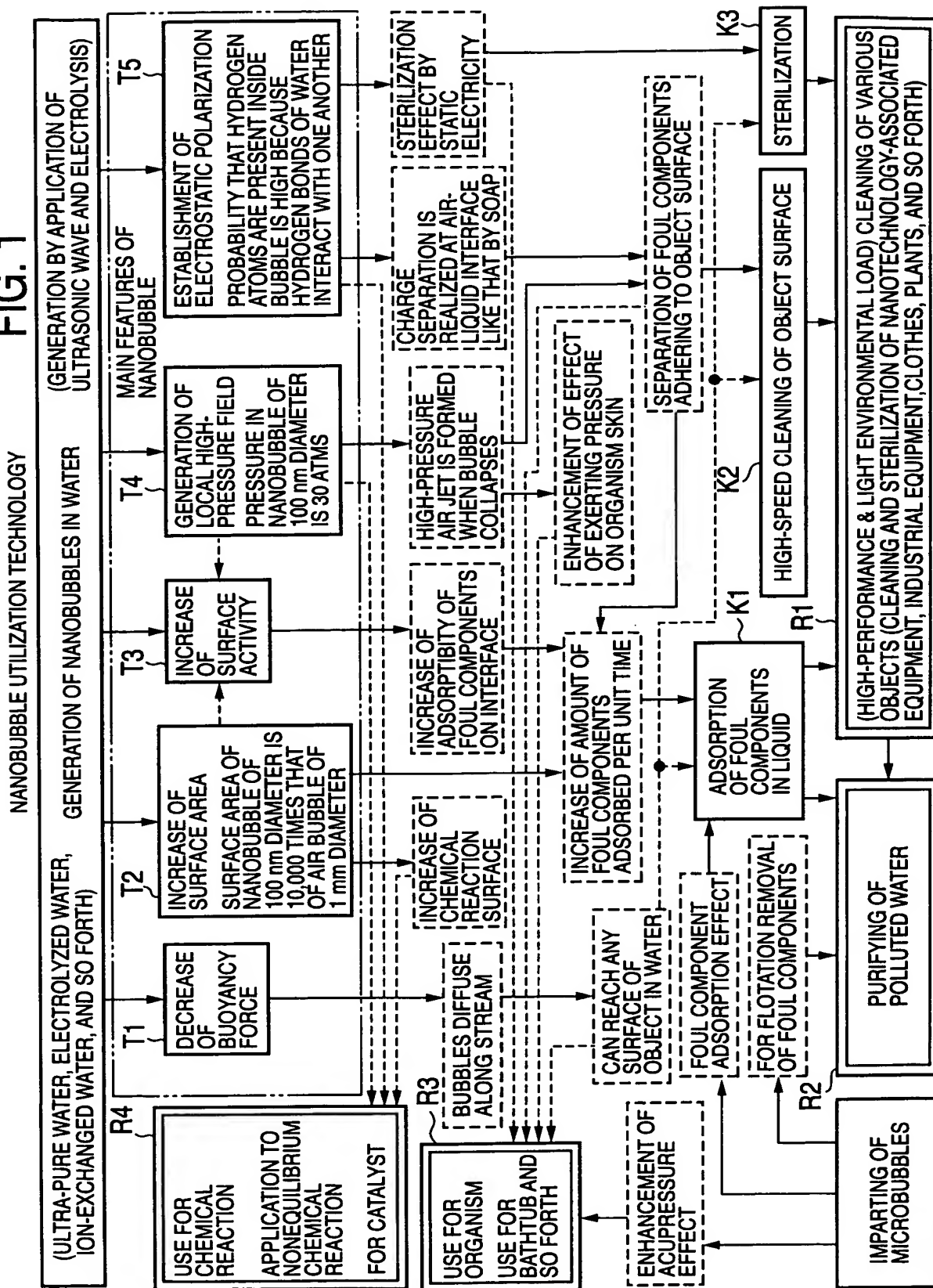




FIG. 2

ELECTROLYTIC SEPARATION PHENOMENON
SIMILAR TO SOAP ON NANOBUBBLE SURFACE

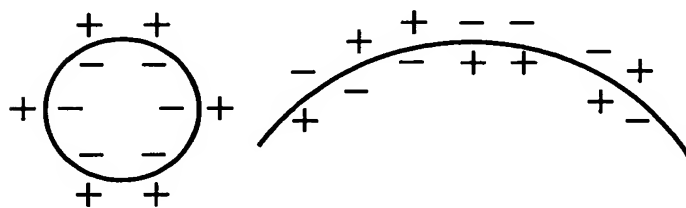




FIG. 3

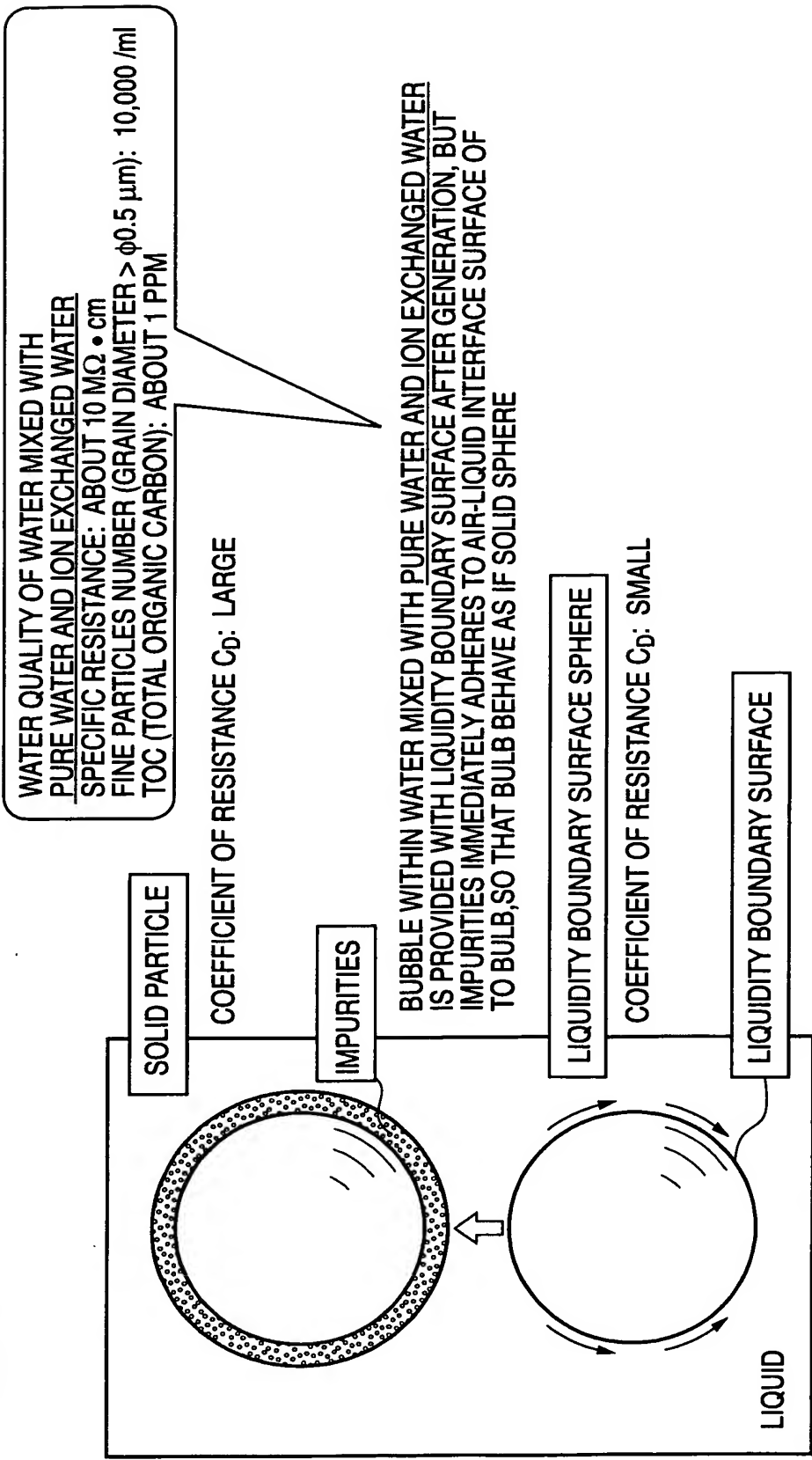




FIG. 4A

DEGREE OF POLLUTION OF WATER															
(i) WATER QUALITY OF PERIPHERY OF BUBBLE (ppb)															
NUMBER OF FINE PARTICLES (NUMBER/ML) WITHIN WATER	TOTAL ORGANIC CARBON														
	5	7	12	16	19	27	198								
	4				▽										
	11	◇	□			○									
	15				△										
40	×			+			▼								
320					▲										
(ii) GAS WITHIN BUBBLE															
NUMBER OF FINE PARTICLES=6/ml TOTAL ORGANIC CARBON (TOC)=6ppb	Air					N ₂					Purified N ₂				
		●	■	◆	□										

FIG. 4B

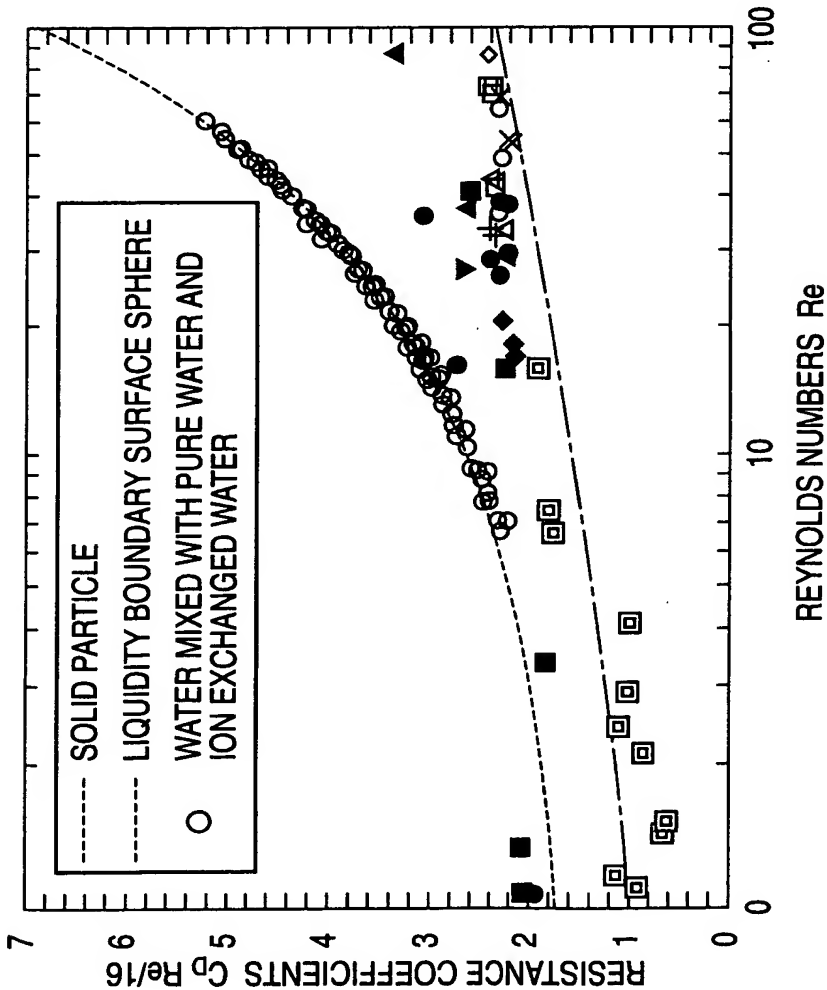


FIG. 5

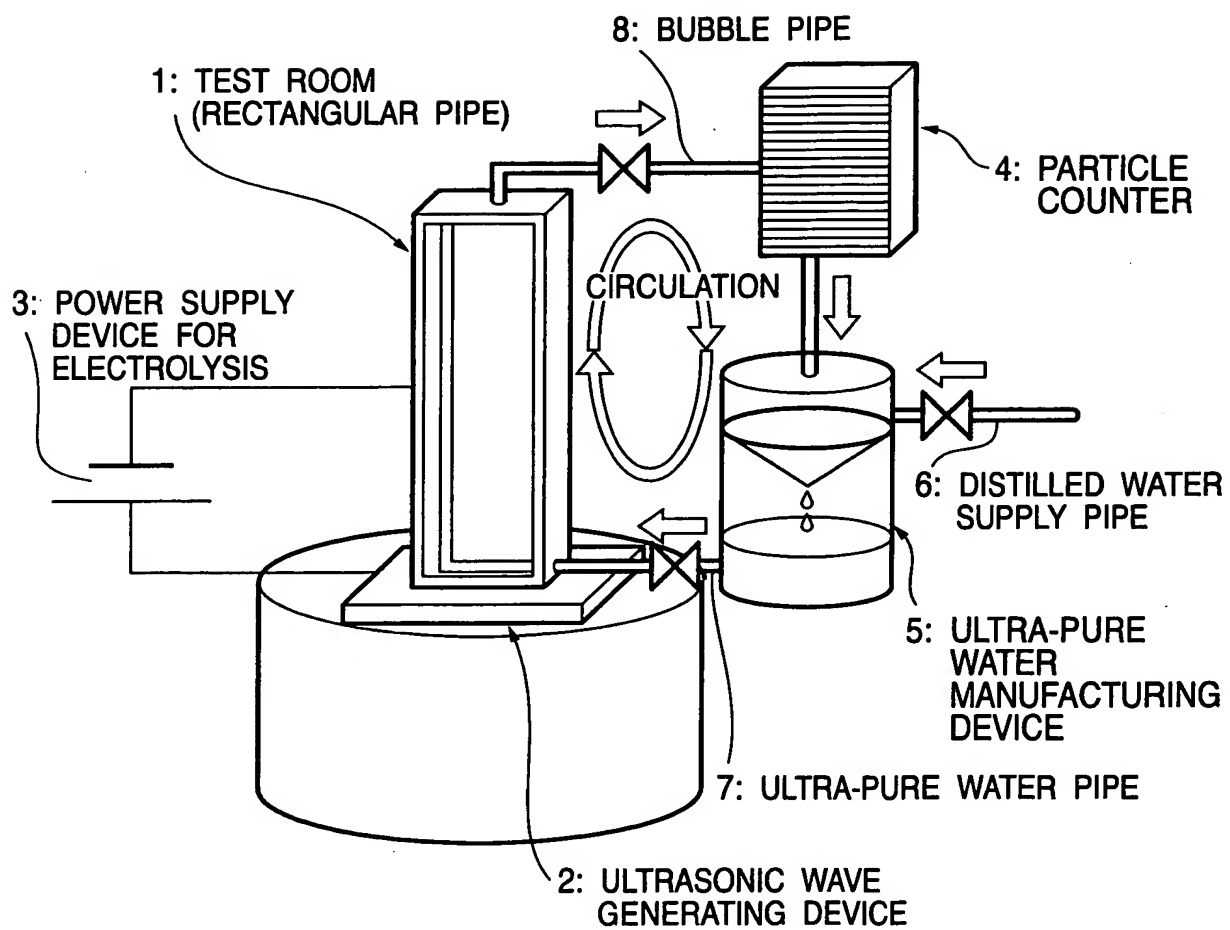
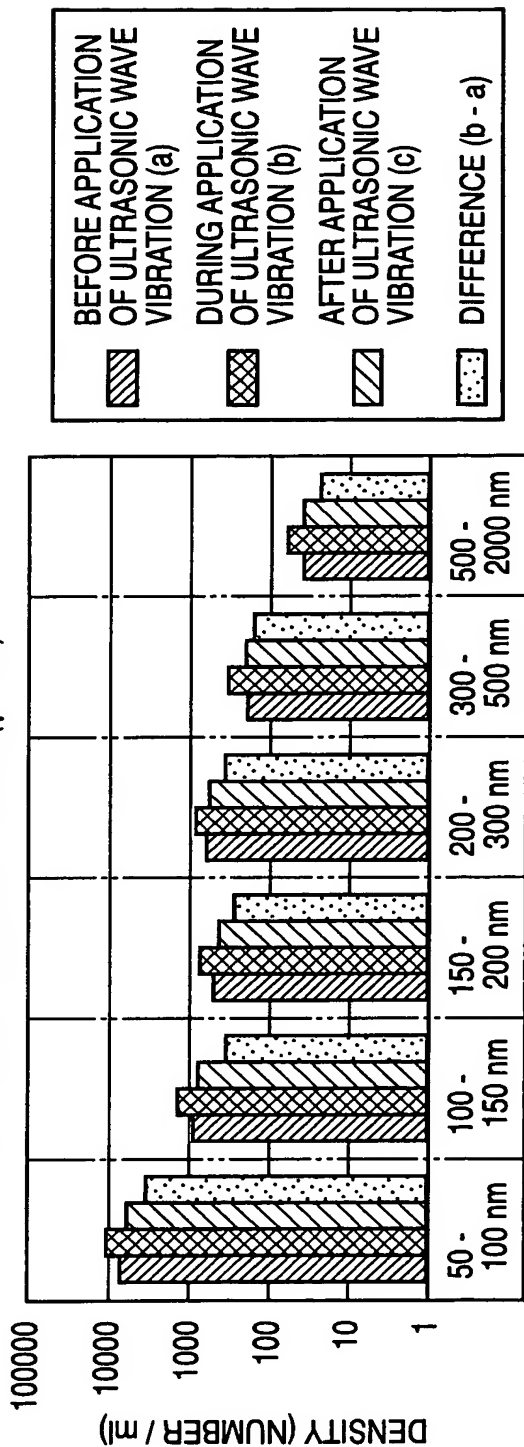




FIG. 6

DIFFERENCE OF DENSITIES OF BUBBLES BETWEEN BEFORE
APPLICATION OF ULTRASONIC WAVE VIBRATION AND
DURING APPLICATION THEREOF ($\gamma = 2.0$)



DIAMETER OF BUBBLE



FIG. 7

DENSITY OF NANOBUBBLES GENERATED DURING
APPLICATION OF ULTRASONIC WAVE

